

Intel® Embedded Graphics Drivers (IEGD)

Version 8.0

IEGD Features by Embedded Intel® Architecture Chipsets

To see which Embedded Intel® Architecture processors are validated with each Intel chipset, see developer.intel.com/design/chipsets/embedded/index.htm

For detailed IEGD product information, please visit intel.com/go/iegd

	IEGD Features	Embedded Intel® Architecture-based Chipsets							
		852GM/GME/855GME	915GV	910GML/915GME	945G	945GME	Q965	GME965	Q35
Driver	Cross-platform, cross-OS configuration editor	X	X	X	X	X	X	X	X
	Installer/de-installer (Windows* only)	X	X	X	X	X	X	X	X
	Runtime graphical user interface (GUI): (Windows and Linux* only)	X	X	X	X	X	X	X	X
	Runtime control API on internal LVDS and external encoders	X	X	X	X	X	X	X	X
	Command line diagnostic utility	X	X	X	X	X	X	X	X
	Second overlay	X	X	X	X	X	X	X	X
	Rendered scaling and centering	X	X	X	X	X	X	X	X
	Triple display (two on-board and a third via a PCI add-in video card)	X	X	X	X	X	X	X	X
	Dual digital transmitter support on Serial DVO		X	X	X	X	X	X	X
	Enhanced clone mode support for use with different sized displays	X	X	X	X	X	X	X	X
	PCI and PCI Express*-based graphics (as primary or secondary) concurrent with integrated graphics	X	X	X	X	X	X	X	X
	Ability to configure port names used in the runtime GUI	X	X	X	X	X	X	X	X
	Ability to change resolution/refresh rates for clone displays in the Runtime GUI	X	X	X	X	X	X	X	X
	Advanced extended display identification data (EDID) configuration	X	X	X	X	X	X	X	X
	Auto-enable bus mastering	X	X	X	X	X	X	X	X
	Full ACPI support on Windows (not available on Windows CE*)	X	X	X	X	X	X	X	X
	Display discovery and initialization (driver only)	X	X	X	X	X	X	X	X
	Dual DVO/sDVO through single device (e.g., Chrontel CH7017*)	X	X	X	X	X	X	X	X
	Dynamic port driver	X	X	X	X	X	X	X	X
	Ability to set port as inactive	X	X	X	X	X	X	X	X
	Dual digital display output support	X	X	X	X	X	X	X	X
	Universal .inf for multiple platform configuration (Windows only)	X	X	X	X	X	X	X	X
	Dynamic mode support using EDID information (Dynamically adds new timing sets fully described in EDID)	X	X	X	X	X	X	X	X
	Multi-refresh, multi-resolution support (Driver does not assume fixed resolution or timings on digital display)	X	X	X	X	X	X	X	X
	Rotation and inverted display	X	X	X	X	X	X	X	X
	Allows manual specification of display timing sets	X	X	X	X	X	X	X	X
	EDID-less (non EDID compliant) display support	X	X	X	X	X	X	X	X
	Dual independent display (Microsoft Extended Desktop*, XFree86 Xinerama*)	X		X	X	X	X	X	X
	Clone dual display support	X	X	X	X	X	X	X	X
	Twin dual display support	X	X	X	X	X	X	X	X
VBIOS	IEGD VBIOS support	X	X	X	X	X	X	X	X
	Display discovery and initialization	X	X	X	X	X	X	X	X
	Full VESA mode support	X	X	X	X	X	X	X	X
	POST to internal LVDS and DVO/sDVO	X	X	X	X	X	X	X	X
	VESA modes 115h and 118h support	X	X	X	X	X	X	X	X
	Full VGA modes support	X	X	X	X	X	X	X	X
	EDID-less (non EDID compliant) display support	X	X	X	X	X	X	X	X

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Digital Display	Internal LVDS	X		X		X		X	
	Internal TV-out			X		X			
	Texas Instruments: TFP410* (DVI)	X							
	Silicon Image: Sil 1362* and Sil 1364* (SDVO)		X	X	X	X	X	X	X
	Chrontel: CH7307* Serial DVO (DVI)		X	X	X	X	X	X	X
	Chrontel: CH7308* Serial DVO (LVDS)		X	X	X	X	X	X	X
	Chrontel: CH7305* (LVDS)	X							
	Chrontel: CH7010* (DVI + TV)	X							
	Chrontel: CH7017* (LVDS + TV)	X							
	Chrontel: CH7301* (DVI)	X							
	Silicon Image: Sil 164 CT64* (DVI), Sil 164 CTG64* (DVI)	X							
	Chrontel: CH 7009A*, CH 7009B* (DVI + TV)	X							
	THine: THC63DV164* (DVI)	X							
	National Semiconductor: NS2501* (LVDS)	X							
	National Semiconductor: NS387R* (LVDS)	X							
Focus: FS453*, FS454* (TV)	X								
OSs and APIs	Microsoft								
	Windows XP* (SP2), Windows XP Embedded* (SP2), Windows Embedded for Point of Service*	X	X	X	X	X	X	X	X
	DirectDraw* (DirectX* 9.0c, DirectX 8.1, DirectX 3)	X	X	X	X	X	X	X	X
	Direct3D* (DirectX 9.0c, DirectX 8.1)	X	X	X	X	X	X	X	
	DirectX Texture Compression (DXTC)	X	X	X	X	X	X	X	X
	Microsoft DirectX Runtime API (DirectX 8.1 SDK samples in windowed and full-screen mode)	X	X	X	X	X	X	X	X
	Japanese	X	X	X	X	X	X	X	X
	Traditional Chinese	X	X	X	X	X	X	X	X
	Korean	X	X	X	X	X	X	X	X
	Windows CE* 5.0	X	X	X	X	X	X	X	X
	DirectDraw	X	X	X	X	X	X	X	X
	Direct3D Mobile (excluding vertex processing emulation)	X	X	X	X	X	X	X	
	Vertical extended display support	X	X	X	X	X	X	X	X
	Rotation	X	X	X	X	X	X	X	X
	Windows Embedded CE* 6.0	X	X	X	X	X	X	X	X
	DirectDraw	X	X	X	X	X	X	X	X
	Direct3D Mobile (excluding vertex processing emulation)	X	X	X	X	X	X	X	
	Vertical extended display support	X	X	X	X	X	X	X	X
	Rotation	X	X	X	X	X	X	X	X
	Linux*								
	OpenGL* 1.5						X	X	
	OpenGL 1.4		X	X	X	X	X	X	
	OpenGL 1.3	X	X	X	X	X	X	X	
	SUSE Linux Enterprise Server* 10 SP1 (2.6.16.46-0.12 Kernel, X.org 6.9)	X	X	X	X	X	X	X	X
	Novell Point of Sale* 9 SSP3 (2.6.5 Kernel, X.Free86 4.3)	X	X	X	X	X	X	X	X
	Fedora Core 5* (2.6.15-1.2054 Kernel, X.org 7.0.0)	X	X	X	X	X	X	X	X
	Fedora Core 6* (2.6.18-1.2798 and X.org 7.1)	X	X	X	X	X	X	X	X
	Fedora Core 7* (2.6.21-1.3194 and X.org 7.2)	X	X	X	X	X	X	X	X
Damn Small Linux* (2.4.26 Kernel, X.Free 4.3.0.1)	X	X	X	X	X				
DOS* Support (IBM PC 2000* MS 6.22)	X	X	X	X	X	X	X	X	
Runtime operation API	X	X	X	X	X	X	X	X	
Support for default VGA modes	X	X	X	X	X	X	X	X	
Port driver software development kit (Windows and Linux)	X	X	X	X	X	X	X	X	

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